

TITLE

PROCESS FOR THE BIOLOGICAL PRODUCTION  
OF 1,3-PROPANEDIOL WITH HIGH YIELD

ABSTRACT

5           The present invention provides a microorganism useful for  
biologically producing 1,3-propanediol from a fermentable carbon source  
at higher yield than was previously known. The complexity of the cofactor  
requirements necessitates the use of a whole cell catalyst for an industrial  
process that utilizes this reaction sequence to produce 1,3-propanediol.  
10       The invention provides a microorganism with disruptions in specified  
genes and alterations in the expression levels of specified genes that is  
useful in a higher yielding process to produce 1,3-propanediol.

15

20

25

30

35

LAF/dmm